

**Raw Sequence Listing before editing  
(for reference only)**



PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/523,038

DATE: 08/18/2005

TIME: 16:54:00

Input Set : A:\21108.0034U2 Sequence Listing (Text Copy).txt  
 Output Set: N:\CRF4\08182005\J523038.raw

3 <110> APPLICANT: SMITH, Harold  
 4 SOWDEN, Mark P.  
 5 DEWHURST, Stephen  
 6 KIM, Baek  
 7 WEDEKIND, Joseph  
 9 <120> TITLE OF INVENTION: PROTEIN TRANSDUCING DOMAIN/DEAMINASE  
 10 CHIMERIC PROTEINS, RELATED COMPOUNDS, AND USES THEREOF  
 13 <130> FILE REFERENCE: 21108.0034U2  
 15 <140> CURRENT APPLICATION NUMBER: 10/523,038  
 C--> 16 <141> CURRENT FILING DATE: 2005-02-02  
 18 <150> PRIOR APPLICATION NUMBER: PCT/US03/24458  
 19 <151> PRIOR FILING DATE: 2003-08-05  
 21 <150> PRIOR APPLICATION NUMBER: 60/419,982  
 22 <151> PRIOR FILING DATE: 2002-10-21  
 24 <150> PRIOR APPLICATION NUMBER: 60/401,293  
 25 <151> PRIOR FILING DATE: 2002-08-05  
 27 <160> NUMBER OF SEQ ID NOS: 49  
 29 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply  
 Corrected Diskette Needed

## ERRORED SEQUENCES

1141 <210> SEQ ID NO: 49  
 1142 <211> LENGTH: 1948  
 1143 <212> TYPE: DNA  
 1144 <213> ORGANISM: Artificial Sequence  
 1146 <220> FEATURE:  
 1147 <223> OTHER INFORMATION: Description of Artificial Sequence; note =  
 1148 synthetic construct  
 1150 <400> SEQUENCE: 49  
 1151 acttggcccg ggaggtcagt ttcaacttctg ggggtcttcc atagcctgct cacagaaaat 60  
 1152 gcaaccccag cgcattgggc ccagagctgg gatgggacca ttctgtctgg gatgcagcca 120  
 1153 tcgcaaatgc tattcacgga tcagaaacct gatattctca gaaacattca aattccactt 180  
 1154 taagaacctc cgctatgcca tagaccggaa agataccttc ttgtgctatg aagtgactag 240  
 1155 aaaggactgc gattcacccg tctcccttca ccatggggtc tttaagaaca aggacaacat 300  
 1156 ccacgctgaa atctgctttt tatactgggt ccatgacaaa gtactgaaag tgctgtctcc 360  
 1157 gagagaagag ttcaagatca cctggtatat gtccctggagc ccctgtttcg aatgtgcaga 420  
 1158 gcaggtacta aggttcctgg ctacacacca caacctgagc ctggacatct tcagctcccg 480  
 1159 cctctacaac atacgggacc cagaaaacca gcagaatctt tgcaggctgg ttcaggaagg 540  
 1160 agcccagggtg gctgccatgg acctatacga atttaaaaag tgttggaaga agtttggtga 600  
 1161 caatggcggc aggcgattca ggccttggaa aaaactgctt acaaatttta gataccagga 660  
 1162 ttctaagctt caggagattc tgagaccttg ctacatcccg gtcccttcca gctcttcac 720  
 1163 cactctgtca aatatctgtc taacaaaagg tctcccagag acgaggttct gcgtggaggg 780

8/18/05

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1164	caggcgagtg	cacctgctaa	gtgaagagga	atcttactcg	cagttttaca	accaacgagt	840
1165	caagcatctc	tgctactacc	acggcatgaa	gccctatcta	tgctaccagc	tgagcaggt	900
1166	caatggccaa	gcgccaactca	aaggctgcct	gctaagcgag	aaaggcaaac	agcatgcaga	960
1167	aatcctcttc	cttgataaga	ttcgggtccat	ggagctgagc	caagtgataa	tcacctgcta	1020
1168	cctcacctgg	agcccctgcc	caaactgtgc	ctggcaactg	gcggcattca	aaagggatcg	1080
1169	tccagatcta	attctgcata	tctacacctc	ccgcctgtat	ttccactgga	agaggccctt	1140
1170	ccagaagggg	ctgtgttctc	tgtggcaatc	agggatcctg	gtggacgtca	tggaacctcc	1200
1171	acagtttact	gactgctgga	caaaactttgt	gaacccgaaa	aggccgtttt	ggccatggaa	1260
1172	aggattggag	ataatcagca	ggcgcacaca	aaggcggtc	cacaggatca	aggagtcttg	1320
1173	gggtctgcaa	gatttggtga	atgactttgg	aaacctacag	cttggacccc	cgatgtcttg	1380
1174	agaggcaaga	agagattcaa	gaaggtcttt	tggtgacccc	cccacccaac	cccaagtcta	1440
1175	ggagaccttt	tggtctcccg	tttgtttccc	cttttgtttt	atcttttggt	gttttgcttt	1500
1176	gttttgaaga	cagagtctca	ctgggtagct	tgctactctg	gaactcacta	ctagactaag	1560
1177	ctggccttaa	actctaaaat	ccacctgcca	atgccttctg	agagccaggc	ttaaggtgtg	1620
1178	cgctgcccac	tcccagcctt	aacccactgt	ggcttttcct	tcctctttct	tttattatct	1680
1179	ttttatctcc	cctcaccctc	ccgcatcaa	taggtactta	atcttgact	tgaaattttt	1740
1180	aagttgggccc	aggcatggtg	gagcagcgtg	cctctaactc	caggcaggag	gatttccacg	1800
1181	agcttgaggc	tagcctgatc	tacatagtgg	gtccaggac	agccagaact	acacagagac	1860
1182	cctgtctcaa	aaataaattt	agatagataa	atacataaat	aaataaatgg	aagaagtcaa	1920
1183	agaaagaaag	acaaaaaaaa	aaaaaaaa				1948

E--> 1184 attOrnEy dOckEt nO. 21108.0034u2  
 E--> 1191 1  
 E--> 1195 attOrnEy dOckEt nO. 21108.0034P1  
 E--> 1196 a

VARIABLE LOCATION SUMMARY

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Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which  
residue n or Xaa represents.

Seq#:49; N Pos. 1953,1959,1965,1971

8/18/0

## VERIFICATION SUMMARY

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L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:1184 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:49  
L:1184 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:49  
L:1184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:1948  
L:1184 M:254 E: No. of Bases conflict, LENGTH:Input:2 Counted:1967 SEQ:49  
L:1184 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:16  
L:1184 M:112 C: (48) String data converted to lower case,  
M:254 Repeated in SeqNo=49  
M:341 Repeated in SeqNo=49  
L:1195 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:17  
M:112 Repeated in SeqNo=49  
L:1196 M:252 E: No. of Seq. differs, <211> LENGTH:Input:1948 Found:1987 SEQ:49